**Aarambh classes**

**Class VIII cbse**

**Maths test**

**Square roots**

**Time : 1 hour M.Marks : 20**

1. Find the square root of :

(i) (ii)0.0625 (iii)3 **3**

2. Find the smallest square number divisible by each of the numbers 8,9 and 10. **2**

3. Find Pythagorean triplet for a natural number m greater than 1 (2m,m2-1,m2+1 form Pythagorean triplets ),if m=6 . **2**

4. Find the square root by division method :

(i) 720801 (ii)4008004 **4**

5. Find the least number which must be added to 306542 to make it a perfect square.

**2**

6. Find the square root of : (i)0.104976 (ii) 11 **4**

7. **Multiple choice questions : (1 mark each)**

(a) Which of the following is/are not a perfect square ?

(i) 2000 (ii)198 (iii)1331 (iv)2500

(b) The unit’s digit of the square of a number ending in 7 is always

(i) 1 (ii)9 (iii)7 (iv)5

(c) Value of is ?

(i) 30 (ii)40 (iii)43 (iv)1